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Submitting for form 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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of

4

Complete if Known

Application Number	10/647,801
Filing Date	August 25, 2003
First Named Inventor	Liotta <i>et al.</i>
Group Art Unit	1621
Examiner Name	Unassigned
Attorney Docket Number	18085.105233 EMU 2010 CON

3437303 2

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
LCM	AA	5,103,002	A	Wieland	04-07-1992	
LCM	AB	5,110,987	A	Liotta <i>et al.</i>	05-05-1992	
LCM	AC	5,122,450	A	Feizi <i>et al.</i>	06-16-1992	
LCM	AD	5,190,876	A	Merrill	03-02-1993	
LCM	AE	5,232,837	A	Merrill <i>et al.</i>	08-03-1993	
LCM	AF	5,430,169	A	Boumendjel <i>et al.</i>	06-04-1995	
LCM	AG	5,440,012	A	Takei <i>et al.</i>	08-08-1995	
LCM	AH	5,459,057	A	Merrill <i>et al.</i>	10-07-1995	
LCM	AI	5,463,092	A	Kumar Raj <i>et al.</i>	10-31-1995	
LCM	AJ	5,488,166	A	Hudlicky	01-30-1996	
LCM	AK	5,518,879	A	Merrill <i>et al.</i>	05-21-1996	
LCM	AL	5,599,914	A	Wiegand Herbert <i>et al.</i>	02-04-1997	
LCM	AM	5,610,040	A	Smeets <i>et al.</i>	03-11-1997	
LCM	AN	5,616,577	A	Nambi <i>et al.</i>	04-01-1997	
LCM	AO	5,635,536	A	Lyons	06-03-1997	
LCM	AP	5,672,693	A	Kawahara	09-30-1997	
LCM	AQ	5,780,441	A	Higa <i>et al.</i>	07-14-1998	
LCM	AR	5,910,425	A	De Boer <i>et al.</i>	06-08-1999	
LCM	AS	5,916,911	A	Shayman <i>et al.</i>	06-29-1999	
LCM	AT	6,010,733	A	Takemoto <i>et al.</i>	01-04-2000	
LCM	AU	6,043,218	A	Dix <i>et al.</i>	03-28-2000	
LCM	AV	6,063,796	A	Yang <i>et al.</i>	05-16-2000	
LCM	AW	6,127,578	A	Merrill <i>et al.</i>	10-03-2000	
LCM	AX	6,610,835	B1	Liotta <i>et al.</i>	08-26-2003	

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		Office ²	Number	Kind Code ³ (if known)				
LCM	AY	JP	1-93562		--	04-12-1989		
LCM	AZ	EP	0,556,962	A1	Orosz (Rich. Ged. Veg. Gy. RT)	08-25-1993		
LCM	AAA	EP	0,560,267	A1	Beaulieu (Bio-Mega; Boehringer)	09-15-1993		

Examiner
Signature

Lugh C. Maier

Date
Considered

11-19-04

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/647,801
		Filing Date	August 25, 2003
		First Named Inventor	Llotta <i>et al.</i>
		Group Art Unit	1621
		Examiner Name	Unassigned
		Attorney Docket Number	18085.105233 EMU 2010 CON
Sheet	2	of	4

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		Office ²	Number	Kind Code ³ (if known)				
LCM	BA	EP	0,666,268	A1	Akimoto <i>et al.</i>	08-09-1995		
LCM	BB	EP	0,675,112	A1	Hunt (Bristol-Myers Squibb)	10-04-1995		
LCM	BC	EP	0,821,068		Rohm & Haas	01-28-1998		
LCM	BD	WO	87/02777	A1	Feizi <i>et al.</i> (Res. Corp. Ltd.)	05-07-1987		
LCM	BE	WO	95/29189	A1	Al-Obeidi <i>et al.</i> (Selectide Corp)	11-02-1995		
LCM	BF	WO	97/26891		Beiersdorf	07-31-1997		
LCM	BG	WO	97/47194	A1	Babu <i>et al.</i> (Biocryst Pharm.)	12-18-1997		
LCM	BH	WO	97/10817		Univ. Michigan	03-27-1997		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
*	BI	BENNUN <i>et al.</i> , <i>Infect. & Immun.</i> , 57:969-974 (1989).	
*	BJ	BELL, R., <i>et al.</i> <i>Cold Spr. Harbor Sym. Quant. Biol.</i> 53:103 (1988).	
LCM	BK	BUEHRER, B.M., and BELL, R.M., "Inhibition of sphingosine kinase <i>in vitro</i> <i>J. Biol. Chem.</i> 267(5):3154-3159 (February 15, 1992).	
*	BL	BUEHRER and BELL, <i>Adv. Lipid Res.</i> 6:59-67 (1993).	
LCM	BM	CARTER, S.R., <i>et al.</i> , "Enzymatic sulfation of mucus glycoprotein in gastric mucosa," <i>J. Biol. Chem.</i> , 263(24):11977-11964 (August 25, 1988).	
LCM	BN	CROSSMAN, M.W., and HIRSCHBERG, C.B., "Biosynthesis of phytosphingosine by the rat," <i>J. Biol. Chem.</i> , 252(16):5815-5819 (August 25, 1977).	
LCM	BO	DESAI, K., <i>et al.</i> , "Fumonisin analogs as inhibitors of ceramide synthase and inducers of apoptosis," <i>Biochem. Biophys. Acta</i> , 1585(2-3):188-192 (December 30, 2002).	
*	BP	FARKAS-HIMSLEY <i>et al.</i> , <i>Proc. Natl. Acad. Sci. (USA)</i> 92:6996-7000 (1995).	
*	BQ	HAKOMORI, <i>J. Biol. Chem.</i> 265:18713-18716 (1990).	
*	BR	HANNUN <i>et al.</i> , <i>J. Bio. Chem.</i> 261:12604-12609 (1986).	
*	BS	HANNUN, <i>J. Biol. Chem.</i> 269:3125-3128 (1994).	
*	BT	HANNUN and OBEID, <i>Trends Biochem. Sci.</i> 20:73-77 (1995).	
*	BU	<i>J. Urol.</i> , 155(5):653A, Abst. 1367 (1996).	
*	BV	JACEWICZ <i>et al.</i> , <i>J. Clin. Invest.</i> 96:1328-1335 (1995).	
*	BW	JEFFERSON, A. and SCHULMAN, H., <i>J. Biol. Chem.</i> 263:15241 (1988).	

Examiner Signature	Lugh C. Main	Date Considered	11-19-04
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		First Named Inventor	Liotta et al.
		Group Art Unit	1621
		Examiner Name	Unassigned
Sheet 3 of 4	Attorney Docket Number	18085.105233 EMU 2010 CON	

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
LCM	CA	KARLSSON, K. A., <i>Chem. Phys. Lipids</i> , 5:6-43 (1970).	
LCM	CB	KAWAI, G., et al., "Stimulatory effect of certain plant sphingolipids on fruiting of <i>Schizophyllum commune</i> ," <i>J. of Biol. Chem.</i> , 261(2):779-784 (1986).	
LCM	CC	KENNEDY, K.J., et al., "Asymmetric synthesis of non-natural homologues of lysine," <i>Bioorg. Med. Chem. Lett.</i> , 7(14):1937-1940 (1997).	
LCM	CD	KEUSCH et al., <i>Infect. & Immun.</i> 63: 1138-1141 (1995).	
LCM	CE	KOLESNICK, <i>Cell</i> 77:325-328 (1994).	
LCM	CF	MERRILL et al., <i>Fungal Lipids</i> (R. Prasad and M. Ghanoum, eds.), CRC Press, Boca Raton, FL (1995).	
LCM	CG	MERRILL and WANG, <i>Methods Enzymol.</i> , 209:427-437 (1992).	
LCM	CH	MERRILL et al., <i>J. Biol. Chem.</i> 261:3764-3769 (1986).	
LCM	CI	MERRILL & SWEELEY, "Sphingolipids: metabolism and cell signalling," <i>New Comprehensive Biochemistry: Biochemistry of Lipids, Lipoproteins, and Membranes</i> , (Vance, D.E. & Vance, J.E., eds.), pp. 309-338, Elsevier Science, Amsterdam (1996).	
LCM	CJ	MINN, A. J., et al., <i>Blood</i> 86: 1903-1910 (1995).	
LCM	CK	MINN, A. J., et al., <i>Nature</i> , 385: 353-357 (1997).	
LCM	CL	MORRISON, <i>Biochim. Biophys. Acta.</i> , 176:537-546 (1969).	
LCM	CM	MUCHMORE, S. W., et al., <i>Nature</i> , 381: 335-341 (1996).	
LCM	CN	NILSSON, A., <i>Biochim. Biophys. Acta.</i> 164:575-584 (1968).	
LCM	CO	Patent Abstracts of Japan, vol. 095, no. 002, (March 31, 1995).	
LCM	CP	PITTET, D., et al., <i>J. Biol. Chem.</i> 262:10072 (1987).	
LCM	CQ	ROBSON et al., <i>J. Lipid Res.</i> 35:2060-2068 (1994).	
LCM	CR	SCHMELZ et al., <i>Journal of Nutrition</i> , 124:702-712	
LCM	CS	SCHMITZ, B., et al., "Determination of structural elements of the L2/HNK-1 carbohydrate epitope required for its function," <i>Glycoconjugate J.</i> , 11(4):345-352 (1994).	
LCM	CT	SUZUKI, N., et al., "Farnesyltransferase inhibitors induce Cytochrome C release....," <i>Proc. Natl. Acad. Sci. USA</i> , 95:15356-15361 (December 1998).	
LCM	CU	THOMPSON, et al., <i>Biochem. Pharmacol.</i> 56: 591-597, 1998.	
LCM	CV	WADDELL, S.T., et al., "Chimeric azalides with functionalized western portions," <i>Heterocycles</i> , 43(11):2325 (1996).	
LCM	CW	WELLS, G. B. and LESTER, R.L., <i>J. Biol. Chem.</i> , 258:10200-10203 (1983).	
LCM	CX	WILSON et al., <i>J. Biol. Chem.</i> 261:12616-12623 (1986).	
LCM	CY	WINICOV, I. and GERSHENGORN, M., <i>J. Biol. Chem.</i> 263:12179 (1988).	

Examiner Signature	Leigh C. Mair	Date Considered	11-19-04
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LCM	DA	WIPF, P., and HENNINGER, T.C., "Solid-phase synthesis of peptide mimetics with (E)-alkene amide bond replacements derived from alkenylaziridines," <i>J. Org. Chem.</i> , 62(6):1586-1587 (1997).		
LCM	DB	WU et al., <i>J. Biol. Chem.</i> 268:13830-13837 (1993).		

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Leigh C. Maier 8/17/05

Examiner Signature	Leigh C. Maier	Date Considered	11-19-04
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